

# Antibiogram of Selected Pathogens, South Dakota 2017

## Northeast Region

### Gram negative organisms

 <b>Gram negative organisms</b>						
 <b>South Dakota State University College of Pharmacy</b>		<b>Salmonella spp.</b>	<b>Klebsiella pneumoniae</b>	<b>Pseudomonas aeruginosa</b>	<b>Escherichia coli</b>	<b>Extended spectrum beta-lactamase (ESBL) E. coli<sup>+</sup></b>
<b>Antibiotic</b>	<b>% Susceptible and (n) number of isolates tested</b>					
Ertapenem		98(330)		100(1440)		100(90)
Imipenem		99(568)	74(330)	100(2680)		93(28)
Meropenem		100(123)	85(127)	100(2009)		97(66)
Amoxicillin/Clavulanic acid		97(103)		89(619)		100(38)
Ampicillin/Sulbactam		92(258)		68(1609)		91(90)
Cefazolin		94(799)		90(4315)		95(186)
Cefepime		97(717)	94(365)	95(3372)		97(186)
Cefotaxime		94(142)		91(560)		95(38)
Ceftazidime		96(607)	94(313)	94(3268)		97(214)
Ceftriaxone	100(6)	97(607)		94(3268)		97(214) 100(4)
Ampicillin	100(6)	20(182)		62(3268)		87(214) 100(4)
Piperacillin/Tazobactam		96(717)	97(433)	98(4299)		100(214)
Ciprofloxacin	100(7)	95(833)	85(452)	83(4476)		77(214) 100(4)
Levofloxacin		97(717)	83(453)	83(4312)		85(214)
Tobramycin		98(236)	96(171)	94(2624)		83(90)
Gentamicin		98(833)	92(452)	93(3670)		93(214)
Nitrofurantoin*		49(536)		97(4016)		0(90)
Trimethoprim/Sulfamethoxazole		94(607)		83(3268)		88(214) 100(4)
Tetracycline		92(143)		75(545)		26(66)

\* Nitrofurantoin = urine isolates only

CLSI recommends reporting data only if 30 or more isolates analyzed, less than 30 isolates are reported for completeness, but may not be statistically valid